

REMARKS

According to the Office Action, claims 15-17 are allowed. Applicants sincerely appreciate the Examiner's findings that these claims represent allowed subject matter.

According to the Office Action, claims 1-6, 9, and 12 stand rejected under 35 U.S.C. § 103(a) for allegedly being obvious over Japanese reference JP2001127523 (Kenichi) in view of U.S. Patent 6,111,551 (Schmidt et al.). Claims 7-8 stand rejected under 35 U.S.C. § 103(a) for allegedly being obvious over the Kenichi reference in view of the Schmidt reference and U.S. Patent 6,496,138 (Honma). Claims 10-11 stand rejected under 35 U.S.C. 103(a) for allegedly being obvious over the Kenichi reference in view of the Schmidt reference and U.S. Patent 5,275,880 (Boyer).

In response, claims 1 and 11 are cancelled. Claims 2-10 are amended to depend on allowed claim 15 with minor changes to make the claims consistent. Accordingly, claims 2-10 should now be in condition for allowance. Claim 12 is rewritten in independent format. Claim 12 is similar to allowed claim 15 in that both of them include a dielectric constant that increases from the front towards the side of the radome or radar cover. Accordingly, claim 12 and its dependent claims 13-14 should be in condition for allowance. A new claim 20 is added that is similar to allowed claim 15, in that the latter includes an electronic permeability (inversely related to the dielectric constant) which progressively decreases from a front of the antenna toward a side of the antenna.

In view of the foregoing amendments and remarks, allowance of this patent application is respectfully requested.

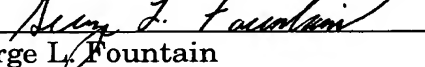
If there are any questions regarding this Amendment or the application in general, a telephone call to the undersigned would be appreciated since this should expedite the prosecution of the application for all concerned.

If necessary to effect a timely response, this paper should be considered as a petition for an Extension of Time sufficient to effect a timely response. Please charge any such fee or any deficiency in fees, or credit any overpayment of fees, to Deposit Account No. 05-1323 (Docket 056203.53286US).

Respectfully submitted,

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Cathy M. Fitzgerald

May 15, 2006

Date